UNC Health-System Pharmacy Administration Residency Program

November 2016

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Agenda

Health System Overview
• Recent growth in UNC Health Care
• Department organizational structure
• Unique factors to UNC Medical Center
• Notable achievements

Residency Program Overview
• Residency program organizational structure
• Unique aspects to the residency training experience
• Opportunities for residents at UNC
## UNC Health Care Today

**Academic Health Care System focused on the State**

<table>
<thead>
<tr>
<th>Name</th>
<th>Net Revenue (in millions)</th>
<th>Total Employees</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNC Hospitals</td>
<td>$1,590</td>
<td>10,575</td>
</tr>
<tr>
<td>UNC Rex</td>
<td>$950</td>
<td>5,950</td>
</tr>
<tr>
<td>UNCFP</td>
<td>$485</td>
<td>1,300</td>
</tr>
<tr>
<td>High Point</td>
<td>$315</td>
<td>2,625</td>
</tr>
<tr>
<td>Wayne</td>
<td>$265</td>
<td>1,875</td>
</tr>
<tr>
<td>Nash</td>
<td>$220</td>
<td>1,850</td>
</tr>
<tr>
<td>Johnston</td>
<td>$195</td>
<td>1,525</td>
</tr>
<tr>
<td>Pardee</td>
<td>$190</td>
<td>1,400</td>
</tr>
<tr>
<td>Lenoir</td>
<td>$110</td>
<td>950</td>
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<tr>
<td>UNCPN</td>
<td>$105</td>
<td>1,100</td>
</tr>
<tr>
<td>Caldwell</td>
<td>$100</td>
<td>825</td>
</tr>
<tr>
<td>Chatham</td>
<td>$30</td>
<td>225</td>
</tr>
</tbody>
</table>

**Total**

$4,555 30,200
Shared Service Center Pharmacy Services

Pharmacy Integrated Supply Management
1. Sourcing
2. Pyxis Replenishment
3. Clinic Replenishment
4. Low Unit of Measure
5. Drug Shortages
6. Bar-coding/repackaging
7. 340B Program

Compounding
1. Sterile Preparations
2. Non-Sterile Preparations

Pharmacy Benefit/Population Health Management

Retail Pharmacy
1. Central Fill
2. Mail Order
3. Specialty
4. MAP
5. Prior Auth

Patients
Caregivers
Affiliates

Post Acute
1. Long Term Care
2. Inpatient Hospice
3. Home Hospice
4. Community Partner Support
* Phases to be determined / Goal: maximize Pharmacy's system value
UNC Medical Center

- Public Academic Medical Center includes:
  - NC Cancer Hospital
  - NC Children’s Hospital
  - NC Memorial Hospital
  - NC Neurosciences Hospital
  - NC Women’s Hospital
- 803 inpatient beds (92 ICU)
- >37,000 discharges annually
- >1.3 million clinic visits per year
Distinguishing Characteristics

• Level 1 Trauma Center
• Largest regional Burn center
• NCI Designated Comprehensive Cancer Center
• Regional Hemophilia Center
• JCAHO-designated comprehensive stroke center
• URAC accredited retail pharmacy specialty services
UNC Medical Center Department of Pharmacy

- Director: Scott Savage, PharmD, MS
- 365 FTEs (404 employees)
  - 120 pharmacists FTE
  - 136 technicians FTE
  - 74 administrative staff FTE
  - 35 pharmacy residents FTE
- Decentralized, service-line based model of pharmacy practice
- Fully automated distribution system
- EPIC implemented in April 2014
Partnership in Patient Care

- Joint Collaborative between UNC Hospitals and the UNC Eshelman School of Pharmacy
  - UNC Chancellor
  - UNC Health Care CEO
  - UNC ESOP Dean
  - UNC Hospitals Director of Pharmacy
- Mutually beneficial relationship that complements each individual organization’s mission
- Exists to support the patient care, teaching, and research efforts of both organizations
- Develop a ‘one pharmacy community’ mindset.
<table>
<thead>
<tr>
<th>Year</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>2016</td>
<td>• Optimizing the Management of Patients Presenting to the Emergency Department with AF: Pharmacists at the Center of a New Treatment Paradigm</td>
</tr>
<tr>
<td>2015</td>
<td>• Impact of an Integrated, Closed-Loop, Pharmacy-Led Oral Chemotherapy Program on Clinical and Financial Outcomes</td>
</tr>
<tr>
<td>2014</td>
<td>• Advancing Pharmacy Practice Through an Innovative Ambulatory Care Transitions Program</td>
</tr>
<tr>
<td>2013</td>
<td>• Advancing into Unchartered Territory: Impact of an Innovative Factor Stewardship Program on Drug Expense, Patient Care, and a Pharmacist’s Role</td>
</tr>
<tr>
<td>2012</td>
<td>• Maximizing the Impact of Pharmacists Across Transitions of Care: Hematopoietic Cell Transplant as a Best Practice Opportunity for Clinical Pharmacists</td>
</tr>
<tr>
<td>2011</td>
<td>• Development, Implementation, and Impact of a Comprehensive, Medical Service Based Pharmacy Practice Model that Maximizes Pharmacist Involvement in the Patient Care Setting</td>
</tr>
</tbody>
</table>
Expertise and Excellence
What are we working on?

1. Patient-Centered
2. Employee-Centered
3. Practice Excellence
4. Population Health
5. Continuum of Care
6. Supply Strategy
7. Payor Strategy
8. Quality Strategy
9. Site of Care Strategy
10. Kindle the Passion

Innovation and Value

- Patient: 1, 10
- Medications: 6, 7, 8

Education & Research

- Practice: 3, 4, 5, 9
- Team: 2, 10

Passion. Purpose. Plan. → EVERY PATIENT!!!
Residency Program Overview
History of Residency Training

- Postgraduate training programs started at UNC Hospitals in 1967, with 2 residents
- Since then, the program has grown to its current size, incorporating 35 residents in 13 distinct training programs
UNC Pharmacy Training Programs: Clinical Practice

- More than 60 active preceptors
- Active participation on nearly all medical, surgical, and subspecialty services hospital-wide
- Robust ambulatory care programs with >23 CPP-licensed preceptors
- Extensive experiences with clinical management preceptors
UNC Pharmacy Training Program: Clinical On-Call

- Off site Clinical On-Call program
  - 24-hour on-call coverage once a month
  - Respond to rapid strep and enterococcus
    - Start appropriate antimicrobial coverage
  - Any additional clinical questions overnight
UNC Pharmacy Training Program: Research and Leadership

• Residents all complete a longitudinal research project
  – PGY-1 MUE, Longitudinal M.S. Project (thesis substitute)

• Publication requirement
  – All residents are required to submit an article, etc, for consideration for publication

• Leadership certificate
  – Individual and group-based activities focused on developing residents as leaders
UNC Pharmacy Training Program: Clinical Education

- Education and teaching is at the core of the experiences for resident learners
- Co-precepting opportunities for residents
  - >45 PY4 students complete rotations at UNC Hospitals
  - >60 students per PY1/2/3 class will complete Early Immersion rotations at UNC Hospitals
- Participation in group-based teaching sessions
- Serve as TA’s at UNC Eshelman School of Pharmacy
  - Health-System Pharmacy Administration residents serve as TA’s PGY2 year
- Competitive teaching certificate program administered through UNC Eshelman School of Pharmacy
UNC Pharmacy Training Program: Training Environment

- Mentorship
  - Individual (longitudinal)
  - Research
  - Teaching

- Collegiality / Family
  - Residents are encouraged to participate in group bonding activities and weekends to foster professional and personal networking
Resident Bonding

- Ropes Course

- Bonding Weekend
  - Cookout
  - Scavenger
Where are they now?

- Residents graduating from UNC Pharmacy Training programs now work across the country and around the world
  - Majority are working in the clinical or academic setting
  - >85% are actively involved in teaching, either as a clinical preceptor or residency program director
  - Many are involved at the local, state, national, and international level in clinical pharmacy practice and leadership
Health-System Pharmacy Administration Residency
Candidate Information Session
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